

1 PRESIDENT
 2 OF THE A.S. 425.7
 3 Sequence 7. Application US98060267
 4 Patient No. 6110672
 5 GENERAL INFORMATION:
 6 APPLICANT: March L. Hall
 7 APPLICANT: Halogen, Sodium
 8 APPLICANT: Jordan, Laurence A.
 9 TITLE OF INVENTION: Peripheral Nervous System Specific
 10 TITLE OF INVENTION: Sodium Channels, DNA Encoding Theoretic,
 11 TITLE OF INVENTION: Crystalization,
 12 TITLE OF INVENTION: X-ray Diffraction, Computer Molecular Modeling, Rational
 13 TITLE OF INVENTION: Drug Design, Drug Discovery, and Methods of Making and Using
 14 NUMBER OF SEQUENCES: 1
 15 ADDRESS OF INVENTOR:
 16 ADDRESS OF INVENTOR: 1100 New York Avenue, N. W., Suite 600
 17 CITY: Washington
 18 STATE: DC
 19 COUNTRY: USA
 20 ZIP: 20005-3934
 21 MULTIPLE AVAILABLE FILES:
 22 MEDIA TYPE: Electrophysiology
 23 COMMENTS: DNA for crystallization
 24 OPERATING SYSTEM: PC Windows 95
 25 SOFTWARE: Patient in bed, no. #10, Version #1.00
 26 CURRENT APPLICATION DATA:
 27 APPLICATION NUMBER: US/98/060267
 28 FILING DATE: 2 MAY 1997
 29 CLASSIFICATION: 514
 30 PRIORITY APPLICATION DATA:
 31 APPLICATION NUMBER: 11/055714.51
 32 FILING DATE: 02 NOV 1995
 33 PRIORITY APPLICATION DATA:
 34 APPLICATION NUMBER: 08/482,401
 35 FILING DATE: 07 JUN 1995
 36 PRIORITY APPLICATION DATA:
 37 APPLICATION NUMBER: 08/434,029
 38 FILING DATE: 02 NOV 1994
 39 ALTERNATIVE/OTHER INFORMATION:
 40 NAME: Laidlaw, Steven R.
 41 REPLICATION NUMBER: 42,283
 42 REFERENCE/TEST KIT NUMBER: 0917, 0240002
 43 TELECOMMUNICATION INFORMATION:
 44 TELEPHONE: 202 471 2500
 45 TELEFAX: 202 471 2540
 46 INFORMATION FOR THE N. A.
 47 SEQUENCE: HAVAN, Laidlaw
 48 LENGTH: 2005, amino acids
 49 TYPE: amino acid
 50 STRANDEDNESS: single
 51 TOPOLGY: linear
 52 MODIFIER TYPE: peptide
 53 US OR P. 425.7
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1  APPLICANT: PENTON PINTO, ESTERANZA
2  TITLE OF INVENTION: VOLTAIR CALLED SCODIUM CHANNELS FROM
3  TITLE OF INVENTION: HUMAN PHIBIBRA NERVE
4  NUMBER OF SEQUENCES: 24
5  ADDRESS: INVENTOR'S ADDRESS:
6  ADDRESS: 41X N. HARBORWAY, DEYARD & DORTLE LLP
7  STREET: CLINTON SQUARE, P.O. BOX 1051
8  CITY: ROCHESTER
9  STATE: NEW YORK
10 COUNTRY: USA
11 ZIP: 14603
12 COMPUTER READABLE FORM:
13 MEDIUM TYPE: floppy disk
14 COMPUTER: IBM compatible
15 OPERATING SYSTEM: PC DOS/MS DOS
16 SOFTWARE: PATENT IN PROGRESS #1.0, Version #1.00
17 CURRENT APPLICATION DATA:
18 APPLICATION NUMBER: 05/2848-10
19 FILING DATE: 09 FEB 1996
20 CLASSIFICATION: 424
21 FOREIGN/AGENT INFORMATION:
22 NAME: BRAKMAN, SUSAN L.
23 REGISTRATION NUMBER: 44,113
24 CORRESPONDENCE REL NUMBER: 05/2848 (INT. IN 1700)
25 INFO-SUBMISSION INFORMATION:
26 TELEPHONE: 716 263 1636
27 TELEFAX: 716 263 1600
28 INFORMATION FOR SEQ ID NO: 10:
29 SEQUENCE CHARACTERISTICS:
30 LENGTH: 410 amino acids
31 TYPE: amino acid
32 ORGANISM: not relevant
33 TOPOLGY: linear
34 MOLECULE TYPE: protein
35 US-08 605 2848-10
36
37 Query Match: 83.3%, Score 35, PH 3, Length 310;
38 Best Local Similarity: 83.3%; Pred No. 16;
39 Matches: 57 conservative 11 Mismatches 0; Indels 0; Gaps 0.
40
41 SEQ ID NO: 1
42 11:11
43 LE 262 CONSEQD 267
44
45 RESULT 4
46 US-08-991 813 2
47 INFORMATION 2: Application 05/2848-1013
48 Patent No. 6090679
49 GENERAL INFORMATION:
50 APPLICANT: ALBONE, EARL
51 APPLICANT: KATLYN KRISTINE
52 TITLE OF INVENTION: HUMAN SDR, CHINA CLONE
53 NUMBER OF SEQUENCES: 4
54 CORRESPONDENCE ADDRESS:
55 ADDRESS: RAYMOND A. PHELPS
56 STREET: P.O. BOX 980
57 CITY: VALLEY Forge
58 STATE: PA
59 COUNTRY: USA
60 ZIP: 19462
61 COMPUTER READABLE FORM:
62 MEDIUM TYPE: diskette
63 COMPUTER: IBM compatible
64 OPERATING SYSTEM: DOS
65 SOFTWARE: PASTOR 1.0, WITH AN Version 2.0
66 CURRENT APPLICATION DATA:
67 APPLICATION NUMBER: 05/2848-1013
68 FILING DATE: 16 DEC 1997
69 CLASSIFICATION:
70 FOREIGN/AGENT INFORMATION:
71 NAME: BRAKMAN, SUSAN L.
72 REGISTRATION NUMBER: 44,113
73 CORRESPONDENCE REL NUMBER: 05/2848 (INT. IN 1700)
74 INFO-SUBMISSION INFORMATION:
75 TELEPHONE: 716 263 1636
76 TELEFAX: 716 263 1600
77 INFORMATION FOR SEQ ID NO: 10:
78 SEQUENCE CHARACTERISTICS:
79 LENGTH: 410 amino acids
80 TYPE: amino acid
81 ORGANISM: not relevant
82 TOPOLGY: linear
83 MOLECULE TYPE: protein
84 US-08 605 2848-10

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FILING DATE: 12 APR 1997
 AUTHOR/AGENT INFORMATION:
 NAME: PRESTIA, PAUL F
 REGISTRATION NUMBER: 23,031
 REFERENCE/EXCISE NUMBER: CH 71261
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-407 0700
 TELEFAX: 610-407 0701
 TELETYPE: 846169
 INFORMATION FOR SEQ. 1:
 SOURCE CHARACTERISTICS:
 LENGTH: 592 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 OR-991-R13-2

Query Match: 11.4% Score: 65.48 20 Length: 592
 Best Local Similarity: 71.14% Prot. No. 412
 Matches: 52 Conserved: 27 Mismatches: 09 Gaps: 01

QY 1 EXPEKOS 7
 IDB 213 OVERSEA 217

RESULT 1
 US-08-421-661-6
 Sequence 6, Application US-08-421-661
 Patent No. 5807993
 GENERAL INFORMATION:
 APPLICANT: French Cyathia K
 APPLICANT: Yano, Karen K
 APPLICANT: O'Shaughnessy, M
 APPLICANT: A.L.L. Medicines
 TITLE OF INVENTION: Antigen Related to Influenza Virus
 NUMBER OF INVENTION: 1
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: David J. O'Shaughnessy
 STREET: 2029 Overlook Park East, Suite 2000
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.
 ZIP: 90067
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS DOS
 SOFTWARE: Patent In Release #1.0, Version #1.00
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 5807993
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: O'Shaughnessy, David J
 REGISTRATION NUMBER: 29,421
 REFERENCE/EXCISE NUMBER: 109 657
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-788 5000
 TELEFAX: 310-271-1297
 INFORMATION FOR SEQ. 1:
 SOURCE CHARACTERISTICS:
 LENGTH: 564 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-421-661-6

Query Match: 78.6% Score: 44.188 11 Length: 564
 Best Local Similarity: 81.4% Prot. No. 862

Matches: 52 Conserved: 27 Mismatches: 09 Gaps: 01

QY 1 EXPEKOS 6
 IDB 586 OVERSEA 591

RESULT 6
 US-08-474-0770-4
 Sequence 4, Application US-08-474-0770
 Patent No. 6027912
 GENERAL INFORMATION:
 APPLICANT: Bell, Linda M
 APPLICANT: Bell, Joan M
 APPLICANT: Zheut, Wei
 TITLE OF INVENTION: Genes Encoding Antigenic Peptides
 NUMBER OF INVENTION: 57
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Irene Evans, Ph.D.
 STREET: 499 Lincoln Street
 CITY: Alexandria
 STATE: VA
 COUNTRY: USA
 ZIP: 22304-1187
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS DOS
 SOFTWARE: Patent In Release #1.0, Version #1.00
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 5807993
 FILING DATE: 19 JAN 1999
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Bell, Linda M
 REGISTRATION NUMBER: 49 4
 REFERENCE/EXCISE NUMBER: 109 657
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703-846-6620
 TELEFAX: 703-846-6620
 INFORMATION FOR SEQ. 1:
 SOURCE CHARACTERISTICS:
 LENGTH: 594 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-474-0770-4

Query Match: 78.6% Score: 44.188 11 Length: 564
 Best Local Similarity: 81.4% Prot. No. 862

QY 1 EXPEKOS 6
 IDB 586 OVERSEA 591

RESULT 7
 US-08-005-640-1
 Sequence 4, Application US-08-005-640-1
 Patent No. 640 410
 GENERAL INFORMATION:
 APPLICANT: Hall, John M
 APPLICANT: Bell, Joan M
 APPLICANT: Zheut, Wei
 TITLE OF INVENTION: Genes Encoding Antigenic Peptides
 NUMBER OF INVENTION: 57
 CORRESPONDENCE ADDRESS:

ADDRESSEE: JONES, JUANITA, FIVE-KEEP & MATHIAS, LTD.
 STREET: 4000 LINDEN STREET
 CITY: ALABAMA 36111
 STATE: VA
 COUNTRY: USA
 ZIP: 2214 3192
 COMPUTER RELEVABLE TEST:
 MEDIUM TYPE: floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Pattern Recognition #1.0, Version #1.00
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/87/095,599
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 02/208/04,800
 FILING DATE: 19 JAN 1992
 ATORNEY/AGENT INFORMATION:
 NAME: McWilliam, Malcolm M.
 REGISTRATION NUMBER: 49,400
 REFERENCE/PACKET NUMBER: 0,20500 263
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 703 890 0020
 TELEFAX: 703 890 2002
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 793 amino acids
 TYPE: amino acid
 STRANDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: PNA (crystalline)
 US DB: 09-786-009-9

Query Match: 74.4% Score: 449 100 11 Length: 793
 Best Local Similarity: 84.0% Prod. No. 2,600022
 Matches: 62 Conserved: 02 Mismatches: 11 Indels: 02 Gaps: 02

DB: 09-786-009-9

RESULT: 6
 US DB: 09-786-009-9
 Sequence: 7, Application: US/08-0027A
 Patent No. 6726035

GENERAL INFORMATION:
 APPLICANT: JAY, SCOTT BELLUS, SEVEN B. CHARFIELD, MICHAEL
 APPLICANT: KVIN B.
 TITLE OF INVENTION: VARIATION CHARACTER COMPOSITIONS AND METHODS
 NUMBER OF SEQUENCES: 9
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/482,864
 FILING DATE: 20 FEB 1990
 US DB: 09-786-009-9

Query Match: 74.4% Score: 449 100 11 Length: 793
 Best Local Similarity: 84.0% Prod. No. 2,600022
 Matches: 62 Conserved: 02 Mismatches: 11 Indels: 02 Gaps: 02

DB: 09-786-009-9

RESULT: 6
 US DB: 09-786-009-9
 Sequence: 7, Application: US/08-0027A
 Patent No. 6726035

GENERAL INFORMATION:
 APPLICANT: JAY, SCOTT B.
 APPLICANT: ELLIS, STEVEN B.
 APPLICANT: CHARFIELD, MICHAEL M.
 TITLE OF INVENTION: VARIATION CHARACTER COMPOSITIONS AND METHODS
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BROWN, MATTHEW & MCDONALD
 STREET: 1600 Union Street
 CITY: San Diego
 STATE: CA
 COUNTRY: USA
 ZIP: 92101 2926
 COMPUTER RELEVABLE TEST:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSP Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 05/2974 15,6750
 FILING DATE: 05 MAY 1994
 CLASSIFICATION: 445
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 06/714,083
 FILING DATE: 28 SEP 1994
 APPLICATION NUMBER: 05/07914,441
 FILING DATE: 13 JUL 1992
 APPLICATION NUMBER: US 07/003,751
 FILING DATE: 08 NOV 1990
 ATORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REGISTRATION NUMBER: 44,096
 REFERENCE/PACKET NUMBER: 0 02 54193
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-268-0909
 TELEFAX: 619-268-0062
 INDEX:
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1873 amino acids
 TYPE: amino acid
 STRANDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FRAGMENT TYPE: internal
 US DB: 09-786-009-9

Query Match: 74.4% Score: 449 100 11 Length: 1873
 Best Local Similarity: 84.0% Prod. No. 2,600022
 Matches: 62 Conserved: 02 Mismatches: 11 Indels: 02 Gaps: 02

DB: 09-786-009-9

RESULT: 10
 US DB: 09-786-009-9
 Sequence: 7, Application: US/08-0027A
 Patent No. 6726035

GENERAL INFORMATION:
 APPLICANT: JAY, SCOTT B.
 APPLICANT: ELLIS, STEVEN B.
 APPLICANT: CHARFIELD, MICHAEL M.
 TITLE OF INVENTION: VARIATION CHARACTER COMPOSITIONS AND METHODS
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BROWN, MATTHEW & MCDONALD
 STREET: 1600 Union Street
 CITY: San Diego

STATE: CA
 COUNTRY: USA
 ZIP: 92101-2926
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSU Version 1.5
 CURRENT APPLICATION DATA:
 APLICAT N NUMBER: 02/08/94/000000
 FILING DATE: 07 NOV 1994
 CLASSIFICATION: 45
 ALTERNATIVE INFORMATION:
 NAME: Seidman, Stephanie L.
 REGISTRATION NUMBER: 44776
 REFERENCE/ALTERNATIVE NUMBER: 51825
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (714) 2-8-0999
 TELEFAX: (714) 2-8-0642
 INFORMATION FOR STUD NO: 7:
 STUDENT CHARACTERISTICS:
 LENGTH: 1873 amino acids
 TYPE: amino acid
 STRANDINGS: single
 TOPOLGY: linear
 MOLECULE TYPE: protein
 FRAGMENT TYPE: internal
 ORIGINAL SOURCE:
 US-08-346-297A-7

JURY Match 76.6% Score 33 Length 1873
 Best Local Similarity 63.8% Prod. No. 2-501-27
 Matches 57 Consistently 0 Mismatches 12 Indels 0 Gaps 0
 Q7 1 CIPHER 6
 1111
 DB 1348 CIPHERD 1343

RESULT 11
 US-07-745-206A-2
 Sequence 2: AFI117411.1 02/07745.206A
 Patent No. 5429921
 GENERAL INFORMATION:
 APPLICANT: Harford, Michael
 APPLICANT: Ellis, Steven
 APPLICANT: Williams, Mark
 APPLICANT: McCoy, Ann
 TITLE OF INVENTION: Human Calcium Channel Compositions and
 TITLE OF INVENTION: Methods
 NUMBER OF SEQUENCES: 32
 CORRESPONDENCE ADDRESS:
 ADDRESS: P.O. Box 100, Tabin & Flannery
 STREET: 135 S. Lasalle
 CITY: Chicago
 STATE: Illinois
 COUNTRY: U.S.A.
 ZIP: 60604
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: FASTSU Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 02/07745.206A
 FILING DATE: 19-10-94
 CLASSIFICATION: 45
 ALTERNATIVE INFORMATION:
 NAME: Feder, Scott A.
 REFERENCE/ALTERNATIVE NUMBER: 51764
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 412-622-7841
 INFORMATION FOR STUD NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2161 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MEDIUM TYPE: protein
 US-07-745-206A-2

JURY Match 76.6% Score 33 Length 2161
 Best Local Similarity 63.8% Prod. No. 2-501-27
 Matches 57 Consistently 0 Mismatches 12 Indels 0 Gaps 0
 Q7 1 CIPHER 6
 1111
 DB 1421 CIPHERD 1426

RESULT 12
 US-08-455-943A-47
 Sequence 49: AFI117411.1 02/08455.943A
 Patent No. 5792846
 GENERAL INFORMATION:
 APPLICANT: Harford, Michael
 APPLICANT: Ellis, Steven
 APPLICANT: Williams, Mark
 APPLICANT: McCoy, Ann
 TITLE OF INVENTION: Human Calcium Channel Compositions and
 TITLE OF INVENTION: Methods
 NUMBER OF SEQUENCES: 57
 CORRESPONDENCE ADDRESS:
 ADDRESS: P.O. Box 100, Tabin & Flannery
 STREET: 1600 Duane Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2926
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 OPERATING SYSTEM: IBM compatible
 SOFTWARE: FASTSU Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 02/08455.943A
 FILING DATE: 04-11-94
 CLASSIFICATION: 45
 ALTERNATIVE INFORMATION:
 NAME: Feder, Scott A.
 REFERENCE/ALTERNATIVE NUMBER: 51764
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 412-622-7841
 INFORMATION FOR STUD NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2161 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MEDIUM TYPE: protein
 US-07-745-206A-2

FILING DATE: 20 FEB 1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/603,701
 FILING DATE: 04 APR 1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: W 89/0259,21178
 FILING DATE: 04 APR 1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/176,899
 FILING DATE: 04 APR 1988
 ATTORNEY/AGENT INFORMATION:
 NAME: Soliman, Stephanie L.
 REGISTRATION NUMBER: 44,779
 REFERENCE/INVENTOR NUMBER: 62516 (P519279)
 TELEPHONE: (+1) 214 39 0999
 TELEFAX: (+1) 214 39 0952
 INFORMATION FOR SEQ. 1: 19
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2161 am no acid
 TYPE: amino acid
 STRANDEDNESS: 3 state
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FRAGMENT TYPE: internal
 US-09-223-3050-49

Query Match 79.6% Score 337 EB 20 Length 2161
 Best Local Similarity 62.7% Pct. No. 40-62
 Matches 51 Mismatches 01 Indels 0 Gaps 0

QY 1 CORPND 6
 DB 1421 CORPND 1426

RESULT 15
 US-09-223-3050-51
 Sequence 51, Application US/08233050C
 Patent No. 5851824
 GENERAL INFORMATION:
 APPLICANT: Harpold, Michael
 APPLICANT: Ellis, Steven
 APPLICANT: Williams, Mark
 APPLICANT: Faldut, Daniel
 APPLICANT: Moore, Ann
 TITLE OF INVENTION: HUMAN DIRECTION CHANNEL OPERATIONS AND
 TITLE OF INVENTION: METHODS
 NUMBER OF SEQUENCES: 57
 CORRESPONDENCE ADDRESS:
 ADDRESS: Brown, Martin, Haller & McElain
 STREET: 1640 Brown Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2126
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTA Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09-223-3050C
 FILING DATE: April 4, 1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/603,704
 FILING DATE: April 10, 1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/745,206
 FILING DATE: 15 AUG 1991
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/603,704
 FILING DATE: 04 APR 1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/176,899
 FILING DATE: 04 APR 1988
 ATTORNEY/AGENT INFORMATION:
 NAME: Soliman, Stephanie L.
 REGISTRATION NUMBER: 44,779
 REFERENCE/INVENTOR NUMBER: 62516 (P519279)
 TELEPHONE: (+1) 214 39 0999
 TELEFAX: (+1) 214 39 0952
 INFORMATION FOR SEQ. 1: 19
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2161 am no acid
 TYPE: amino acid
 STRANDEDNESS: 3 state
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FRAGMENT TYPE: internal
 US-09-223-3050-51

Query Match 79.6% Score 337 EB 20 Length 2161
 Best Local Similarity 62.7% Pct. No. 40-62
 Matches 51 Mismatches 01 Indels 0 Gaps 0

QY 1 CORPND 6
 DB 1421 CORPND 1426

RESULT 16
 US-09-223-3050-52
 Sequence 52, Application US/08233050C
 Patent No. 5851824
 GENERAL INFORMATION:
 APPLICANT: Harpold, Michael
 APPLICANT: Ellis, Steven
 APPLICANT: Williams, Mark
 APPLICANT: Faldut, Daniel
 APPLICANT: Moore, Ann
 TITLE OF INVENTION: HUMAN DIRECTION CHANNEL OPERATIONS AND
 TITLE OF INVENTION: METHODS
 NUMBER OF SEQUENCES: 57
 CORRESPONDENCE ADDRESS:
 ADDRESS: Brown, Martin, Haller & McElain
 STREET: 1640 Brown Street
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92101-2126
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTA Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09-223-3050C
 FILING DATE: April 4, 1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/603,704
 FILING DATE: April 10, 1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/745,206
 FILING DATE: 15 AUG 1991
 PRIOR APPLICATION DATA:

Patent No. 5428145
 GENERAL INFORMATION:
 APPLICANT: OKAMOTO, Hitoshi
 APPLICANT: NAKAMURA, Tetsuo
 TITLE OF INVENTION: N.A.A. N.B. HEREDITARY VICES GEN. REL.
 TITLE OF INVENTION: PAVANICHETTES, PAVANICHETTES, ANTI-CHIM, ANTI-CHIM AND
 TITLE OF INVENTION: DETECTION SYSTEMS
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Heveland, Inc., 10000 N. W. 11th St. & Young
 STREET: 10000 N. W. 11th St. & Young
 CITY: Washington
 STATE: D.C.
 COUNTRY: US
 ZIPS: 20004
 COMPUTER RELEVABLE INFO:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS DOS
 SOFTWARE: Patent in Release #10, Version #1.25
 CURRENT APPLICATION DATA:
 FILING DATE: 1992/09/07
 CLASSIFICATION: 65
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 297492/91
 FILING DATE: 09/08/1991
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 APPLICATION NUMBER: JP 297492/91
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 ATTORNEY/AGENT INFORMATION:
 NAME: Wellacher, Robert G.
 REGISTRATION NUMBER: 40,541
 REFERENCE: 200, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000, 10100, 10200, 10300, 10400, 10500, 10600, 10700, 10800, 10900, 11000, 11100, 11200, 11300, 11400, 11500, 11600, 11700, 11800, 11900, 12000, 12100, 12200, 12300, 12400, 12500, 12600, 12700, 12800, 12900, 13000, 13100, 13200, 13300, 13400, 13500, 13600, 13700, 13800, 13900, 14000, 14100, 14200, 14300, 14400, 14500, 14600, 14700, 14800, 14900, 15000, 15100, 15200, 15300, 15400, 15500, 15600, 15700, 15800, 15900, 16000, 16100, 16200, 16300, 16400, 16500, 16600, 16700, 16800, 16900, 17000, 17100, 17200, 17300, 17400, 17500, 17600, 17700, 17800, 17900, 18000, 18100, 18200, 18300, 18400, 18500, 18600, 18700, 18800, 18900, 19000, 19100, 19200, 19300, 19400, 19500, 19600, 19700, 19800, 19900, 20000, 20100, 20200, 20300, 20400, 20500, 20600, 20700, 20800, 20900, 21000, 21100, 21200, 21300, 21400, 21500, 21600, 21700, 21800, 21900, 22000, 22100, 22200, 22300, 22400, 22500, 22600, 22700, 22800, 22900, 23000, 23100, 23200, 23300, 23400, 23500, 23600, 23700, 23800, 23900, 24000, 24100, 24200, 24300, 24400, 24500, 24600, 24700, 24800, 24900, 25000, 25100, 25200, 25300, 25400, 25500, 25600, 25700, 25800, 25900, 26000, 26100, 26200, 26300, 26400, 26500, 26600, 26700, 26800, 26900, 27000, 27100, 27200, 27300, 27400, 27500, 27600, 27700, 27800, 27900, 28000, 28100, 28200, 28300, 28400, 28500, 28600, 28700, 28800, 28900, 29000, 29100, 29200, 29300, 29400, 29500, 29600, 29700, 29800, 29900, 30000, 30100, 30200, 30300, 30400, 30500, 30600, 30700, 30800, 30900, 31000, 31100, 31200, 31300, 31400, 31500, 31600, 31700, 31800, 31900, 32000, 32100, 32200, 32300, 32400, 32500, 32600, 32700, 32800, 32900, 33000, 33100, 33200, 33300, 33400, 33500, 33600, 33700, 33800, 33900, 34000, 34100, 34200, 34300, 34400, 34500, 34600, 34700, 34800, 34900, 35000, 35100, 35200, 35300, 35400, 35500, 35600, 35700, 35800, 35900, 36000, 36100, 36200, 36300, 36400, 36500, 36600, 36700, 36800, 36900, 37000, 37100, 37200, 37300, 37400, 37500, 37600, 37700, 37800, 37900, 38000, 38100, 38200, 38300, 38400, 38500, 38600, 38700, 38800, 38900, 39000, 39100, 39200, 39300, 39400, 39500, 39600, 39700, 39800, 39900, 40000, 40100, 40200, 40300, 40400, 40500, 40600, 40700, 40800, 40900, 41000, 41100, 41200, 41300, 41400, 41500, 41600, 41700, 41800, 41900, 42000, 42100, 42200, 42300, 42400, 42500, 42600, 42700, 42800, 42900, 43000, 43100, 43200, 43300, 43400, 43500, 43600, 43700, 43800, 43900, 44000, 44100, 44200, 44300, 44400, 44500, 44600, 44700, 44800, 44900, 45000, 45100, 45200, 45300, 45400, 45500, 45600, 45700, 45800, 45900, 46000, 46100, 46200, 46300, 46400, 46500, 46600, 46700, 46800, 46900, 47000, 47100, 47200, 47300, 47400, 47500, 47600, 47700, 47800, 47900, 48000, 48100, 48200, 48300, 48400, 48500, 48600, 48700, 48800, 48900, 49000, 49100, 49200, 49300, 49400, 49500, 49600, 49700, 49800, 49900, 50000, 50100, 50200, 50300, 50400, 50500, 50600, 50700, 50800, 50900, 51000, 51100, 51200, 51300, 51400, 51500, 51600, 51700, 51800, 51900, 52000, 52100, 52200, 52300, 52400, 52500, 52600, 52700, 52800, 52900, 53000, 53100, 53200, 53300, 53400, 53500, 53600, 53700, 53800, 53900, 54000, 54100, 54200, 54300, 54400, 54500, 54600, 54700, 54800, 54900, 55000, 55100, 55200, 55300, 55400, 55500, 55600, 55700, 55800, 55900, 56000, 56100, 56200, 56300, 56400, 56500, 56600, 56700, 56800, 56900, 57000, 57100, 57200, 57300, 57400, 57500, 57600, 57700, 57800, 57900, 58000, 58100, 58200, 58300, 58400, 58500, 58600, 58700, 58800, 58900, 59000, 59100, 59200, 59300, 59400, 59500, 59600, 59700, 59800, 59900, 60000, 60100, 60200, 60300, 60400, 60500, 60600, 60700, 60800, 60900, 61000, 61100, 61200, 61300, 61400, 61500, 61600, 61700, 61800, 61900, 62000, 62100, 62200, 62300, 62400, 62500, 62600, 62700, 62800, 62900, 63000, 63100, 63200, 63300, 63400, 63500, 63600, 63700, 63800, 63900, 64000, 64100, 64200, 64300, 64400, 64500, 64600, 64700, 64800, 64900, 65000, 65100, 65200, 65300, 65400, 65500, 65600, 65700, 65800, 65900, 66000, 66100, 66200, 66300, 66400, 66500, 66600, 66700, 66800, 66900, 67000, 67100, 67200, 67300, 67400, 67500, 67600, 67700, 67800, 67900, 68000, 68100, 68200, 68300, 68400, 68500, 68600, 68700, 68800, 68900, 69000, 69100, 69200, 69300, 69400, 69500, 69600, 69700, 69800, 69900, 70000, 70100, 70200, 70300, 70400, 70500, 70600, 70700, 70800, 70900, 71000, 71100, 71200, 71300, 71400, 71500, 71600, 71700, 71800, 71900, 72000, 72100, 72200, 72300, 72400, 72500, 72600, 72700, 72800, 72900, 73000, 73100, 73200, 73300, 73400, 73500, 73600, 73700, 73800, 73900, 74000, 74100, 74200, 74300, 74400, 74500, 74600, 74700, 74800, 74900, 75000, 75100, 75200, 75300, 75400, 75500, 75600, 75700, 75800, 75900, 76000, 76100, 76200, 76300, 76400, 76500, 76600, 76700, 76800, 76900, 77000, 77100, 77200, 77300, 77400, 77500, 77600, 77700, 77800, 77900, 78000, 78100, 78200, 78300, 78400, 78500, 78600, 78700, 78800, 78900, 79000, 79100, 79200, 79300, 79400, 79500, 79600, 79700, 79800, 79900, 80000, 80100, 80200, 80300, 80400, 80500, 80600, 80700, 80800, 80900, 81000, 81100, 81200, 81300, 81400, 81500, 81600, 81700, 81800, 81900, 82000, 82100, 82200, 82300, 82400, 82500, 82600, 82700, 82800, 82900, 83000, 83100, 83200, 83300, 83400, 83500, 83600, 83700, 83800, 83900, 84000, 84100, 84200, 84300, 84400, 84500, 84600, 84700, 84800, 84900, 85000, 85100, 85200, 85300, 85400, 85500, 85600, 85700, 85800, 85900, 86000, 86100, 86200, 86300, 86400, 86500, 86600, 86700, 86800, 86900, 87000, 87100, 87200, 87300, 87400, 87500, 87600, 87700, 87800, 87900, 88000, 88100, 88200, 88300, 88400, 88500, 88600, 88700, 88800, 88900, 89000, 89100, 89200, 89300, 89400, 89500, 89600, 89700, 89800, 89900, 90000, 90100, 90200, 90300, 90400, 90500, 90600, 90700, 90800, 90900, 91000, 91100, 91200, 91300, 91400, 91500, 91600, 91700, 91800, 91900, 92000, 92100, 92200, 92300, 92400, 92500, 92600, 92700, 92800, 92900, 93000, 93100, 93200, 93300, 93400, 93500, 93600, 93700, 93800, 93900, 94000, 94100, 94200, 94300, 94400, 94500, 94600, 94700, 94800, 94900, 95000, 95100, 95200, 95300, 95400, 95500, 95600, 95700, 95800, 95900, 96000, 96100, 96200, 96300, 96400, 96500, 96600, 96700, 96800, 96900, 97000, 97100, 97200, 97300, 97400, 97500, 97600, 97700, 97800, 97900, 98000, 98100, 98200, 98300, 98400, 98500, 98600, 98700, 98800, 98900, 99000, 99100, 99200, 99300, 99400, 99500, 99600, 99700, 99800, 99900, 100000, 100100, 100200, 100300, 100400, 100500, 100600, 100700, 100800, 100900, 101000, 101100, 101200, 101300, 101400, 101500, 101600, 101700, 101800, 101900, 102000, 102100, 102200, 102300, 102400, 102500, 102600, 102700, 102800, 102900, 103000, 103100, 103200, 103300, 103400, 103500, 103600, 103700, 103800, 103900, 104000, 104100, 104200, 104300, 104400, 104500, 104600, 104700, 104800, 104900, 105000, 105100, 105200, 105300, 105400, 105500, 105600, 105700, 105800, 105900, 106000, 106100, 106200, 106300, 106400, 106500, 106600, 106700, 106800, 106900, 107000, 107100, 107200, 107300, 107400, 107500, 107600, 107700, 107800, 107900, 108000, 108100, 108200, 108300, 108400, 108500, 108600, 108700, 108800, 108900, 109000, 109100, 109200, 109300, 109400, 109500, 109600, 109700, 109800, 109900, 110000, 110100, 110200, 110300, 110400, 110500, 110600, 110700, 110800, 110900, 111000, 111100, 111200, 111300, 111400, 111500, 111600, 111700, 111800, 111900, 112000, 112100, 112200, 112300, 112400, 112500, 112600, 112700, 112800, 112900, 113000, 113100, 113200, 113300, 113400, 113500, 113600, 113700, 113800, 113900, 114000, 114100, 114200, 114300, 114400, 114500, 114600, 114700, 114800, 114900, 115000, 115100, 115200, 115300, 115400, 115500, 115600, 115700, 115800, 115900, 116000, 116100, 116200, 116300, 116400, 116500, 116600, 116700, 116800, 116900, 117000, 117100, 117200, 117300, 117400, 117500, 117600, 117700, 117800, 117900, 118000, 118100, 118200, 118300, 118400, 118500, 118600, 118700, 118800, 118900, 119000, 119100, 119200, 119300, 119400, 119500, 119600, 119700, 119800, 119900, 120000, 120100, 120200, 120300, 120400, 120500, 120600, 120700, 120800, 120900, 121000, 121100, 121200, 121300, 121400, 121500, 121600, 121700, 121800, 121900, 122000, 122100, 122200, 122300, 122400, 122500, 122600, 122700, 122800, 122900, 123000, 123100, 123200, 123300, 123400, 123500, 123600, 123700, 123800, 123900, 124000, 124100, 124200, 124300, 124400, 124500, 124600, 124700, 124800, 124900, 125000, 125100, 125200, 125300, 125400, 125500, 125600, 125700, 125800, 125900, 126000, 126100, 126200, 126300, 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